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Sep 24, 1996

PUB-NO: JP408246107A

DOCUMENT-IDENTIFIER: JP 08246107 A

TITLE: MARTENSITIC STAINLESS STEEL EXCELLENT IN CARBON DIOXIDE CORROSION  
RESISTANCE AND SULFIDE STRESS CORROSION CRACKING RESISTANCE

PUBN-DATE: September 24, 1996

## INVENTOR-INFORMATION:

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NIPPON STEEL CORP

N/A

APPL-NO: JP07051599

APPL-DATE: March 10, 1995

INT-CL (IPC): C22C 38/00; C22C 38/44; C22C 38/52

## ABSTRACT:

PURPOSE: To produce a martensitic stainless steel excellent in sulfide stress  
corrosion cracking resistance as well as in carbon dioxide corrosion resistance.CONSTITUTION: This martensitic stainless steel has a composition consisting of  
0.005-0.05% C, 0.05-0.5% Si, 0.1-1% Mn, 12-15% Cr, 4.5-9% Ni, 1-3% Cu, 2-3% Mo,  
0.1-3% W, 0.005-0.2% Al, 0.005-0.1% N, &le;0.025% P, &le;0.015% S, and the balance  
Fe and satisfying 40C+34N+Ni+0.3Cu+Co-1.1Cr-1.8Mo-0.9 W&ge;-10 and further  
containing, if necessary, 0.1-3% Co.

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 148/608.ccls.	4	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 148/607.ccls.	5	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 148/325.ccls.	28	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/57.ccls.	13	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/69.ccls.	9	<u>L7</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/68.ccls.	6	<u>L6</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) and (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/67.ccls.	7	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) and (cr or chromium) (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/67.ccls.	2364	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) (cr or chromium) (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/67.ccls.	378093	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel) (cr or chromium) (ni or nickel)and (w or tungsten) and (n or nitrogen) and 420/67	378094	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI	(martensit\$2 same stainless same steel same (cr or chromium) same (ni or nickel) same (w or tungsten) same (n or nitrogen)	49	<u>L1</u>